

The State of the New England Economy

Paul Harrington
Center for Labor Market Studies
Northeastern University

Trends in Non Farm Wage and Salary Employment, by Geographic Division January 2001 to March 2003

Division	January, 2001	March, 2003	Absolute Change	Relative Change
East North Central	22,048	21,301	-747.1	-3.4%
East South Central	7,617	7,455	-161.8	-2.1%
Mid Atlantic	18,403	18,025	-378.1	-2.1%
Mountain	8,602	8,551	-51.5	-0.6%
New England	7,090	6,861	-229.5	-3.2%
Pacific	21,532	21,133	-398.7	-1.9%
South Atlantic	24,094	23,888	-205.5	-0.9%
West North Central	9,877	9,651	-226.3	-2.3%
West South Central	14,137	13,952	-185.3	-1.3%

Total Nonfarm Employment for the New England States

State	January, 2001	March, 2003	Absolute Change	Relative Change
Connecticut	1,692.3	1,655.2	-37.1	-2.2%
Maine	609.7	604.7	-5.0	-0.8%
Massachusetts	3,370.9	3,203.0	-167.9	-5.0%
New Hampshire	633.3	617.3	-16.0	-2.5%
Rhode Island	480.6	479.3	-1.3	-0.3%
Vermont	303.5	301.3	-2.2	-0.7%
New England	7,090.3	6,860.8	-229.5	-3.2%

Employment by Industry for the State of Connecticut

Industry	January, 2001	March, 2003	Absolute Change	Relative Change
Construction	64.8	60.3	-4.5	-6.9%
Manufacturing	234.3	206.7	-27.6	-11.8%
Trade, Transportation, and Utilities	315.1	318.3	3.2	1.0%
Information	46.5	40.4	-6.1	-13.1%
Financial Activities	142.9	141.6	-1.3	-0.9%
Professional and Business Services	214.5	199.9	-14.6	-6.8%
Educational and Health Services	250.1	263.9	13.8	5.5%
Government	243.5	246.4	2.9	1.2%

Employment by Industry for the State of Maine

Industry	January, 2001	March, 2003	Absolute Change	Relative Change
Construction	29.7	28.7	-1.0	-3.4%
Manufacturing	78.4	64.5	-13.9	-17.7%
Trade, Transportation, and Utilities	123.9	121.9	-2.0	-1.6%
Professional and Business Services	52.4	50.7	-1.7	-3.2%
Educational and Health Services	99.2	106.8	7.6	7.7%
Leisure and Hospitality	56.6	58.0	1.4	2.5%
Government	101.1	103.5	2.4	2.4%

Employment by Industry for the State of Massachusetts

Industry	January, 2001	March, 2003	Absolute Change	Relative Change
Construction	135.8	134.3	-1.5	-1.1%
Manufacturing	409.0	336.9	-72.1	-17.6%
Trade, Transportation, and Utilities	599.1	579.6	-19.5	-3.3%
Information	117.1	94.6	-22.5	-19.2%
Financial Activities	230.1	229.1	-1.0	-0.4%
Professional and Business Services	507.3	434.4	-72.9	-14.4%
Educational and Health Services	548.4	569.4	21.0	3.8%
Leisure and Hospitality	279.3	281.2	1.9	0.7%
Other Services	114.5	117.4	2.9	2.5%
Government	429.0	424.8	-4.2	-1.0%

Employment by Industry for the State of New Hampshire

Industry	January, 2001	March, 2003	Absolute Change	Relative Change
Construction	26.0	26.9	0.9	3.5%
Manufacturing	103.6	81.0	-22.6	-21.8%
Trade, Transportation, and Utilities	137.8	139.0	1.2	0.9%
Leisure and Hospitality	59.6	62.1	2.5	4.2%
Government	85.1	88.7	3.6	4.2%

Employment by Industry for the State of Rhode Island

Industry	January, 2001	March, 2003	Absolute Change	Relative Change
Construction	18.6	19.5	0.9	4.8%
Manufacturing	71.5	61.0	-10.5	-14.7%
Trade, Transportation, and Utilities	79.8	82.7	2.9	3.6%
Professional and Business Services	51.0	47.0	-4.0	-7.8%
Leisure and Hospitality	46.3	47.2	0.9	1.9%
Other Services	21.1	22.5	1.4	6.6%
Government	64.7	65.9	1.2	1.9%

Employment by Industry for the State of Vermont

Industry	January, 2001	March, 2003	Absolute Change	Relative Change
Construction	15.2	15.2	0.0	0.0%
Manufacturing	47.3	38.7	-8.6	-18.2%
Professional and Business Services	20.9	20.6	-0.3	-1.4%
Educational and Health Services	47.0	49.8	2.8	6.0%
Government	49.9	52.0	2.1	4.2%

Unemployment Rate by State in New England

State	January, 2001	March, 2003	Absolute Change	Relative Change
Connecticut	2.4	5.2	2.8	116.7%
Maine	3.3	4.5	1.2	36.4%
Massachusetts	2.7	5.7	3	111.1%
New Hampshire	2.8	4.1	1.3	46.4%
Rhode Island	4.2	5.3	1.1	26.2%
Vermont	3.3	4.1	0.8	24.2%
New England	2.8	5.2	2.4	85.7%

Number Unemployed by State in New England

State	January, 2001	March, 2003	Absolute Change	Relative Change
Connecticut	42,441	93,463	51,022	120.2%
Maine	22,417	31,361	8,944	39.9%
Massachusetts	89,765	195,421	105,656	117.7%
New Hampshire	19,669	29,169	9,500	48.3%
Rhode Island	23,037	30,207	7,170	31.1%
Vermont	11,034	14,562	3,528	32.0%
New England	208,363	394,183	185,820	89.2%

Number of Exhaustions during the 4th Quarter

State	Rank	2000 Exhaustions	2002 Exhaustions	Absolute Change	Relative Change
New Hampshire	1	308	1,790	1,482	481.2%
Virginia	2	4,644	17,347	12,703	273.5%
North Carolina	3	10,369	33,030	22,661	218.5%
Colorado	4	4,871	14,150	9,279	190.5%
Vermont	5	580	1,653	1,073	185.0%
Georgia	6	10,365	29,524	19,159	184.8%
Missouri	7	6,467	18,409	11,942	184.7%
South Dakota	8	175	483	308	176.0%
Massachusetts	9	12,098	31,660	19,562	161.7%
Arizona	10	5,146	13,211	8,065	156.7%
Oklahoma	11	2,904	7,403	4,499	154.9%
Ohio	12	11,947	30,423	18,476	154.6%
Nebraska	13	2,045	4,798	2,753	134.6%
Minnesota	14	6,773	15,836	9,063	133.8%
Illinois	15	22,521	52,633	30,112	133.7%
South Carolina	16	6,021	13,753	7,732	128.4%
Connecticut	17	5,913	13,421	7,508	127.0%
Oregon	18	8,304	18,737	10,433	125.6%
Michigan	19	17,967	40,087	22,120	123.1%
Utah	20	2,833	6,171	3,338	117.8%
Kentucky	21	4,507	9,515	5,008	111.1%
Wisconsin	22	9,155	19,131	9,976	109.0%
New York	23	42,746	89,168	46,422	108.6%
Kansas	24	4,223	8,725	4,502	106.6%
Indiana	25	8,982	18,520	9,538	106.2%

Number of Exhaustions during the 4th Quarter

Washington	26	12,700	26,166	13,466	106.0%
Pennsylvania	27	23,929	48,280	24,351	101.8%
California	28	83,726	168,602	84,876	101.4%
Idaho	29	2,264	4,466	2,202	97.3%
New Mexico	30	1,864	3,666	1,802	96.7%
New Jersey	31	25,468	49,336	23,868	93.7%
Maryland	32	5,885	11,346	5,461	92.8%
Arkansas	33	5,386	9,947	4,561	84.7%
Wyoming	34	506	924	418	82.6%
Texas	35	38,570	69,721	31,151	80.8%
Florida	36	24,538	44,061	19,523	79.6%
Iowa	37	3,967	7,031	3,064	77.2%
West Virginia	38	1,894	3,301	1,407	74.3%
Maine	39	1,480	2,573	1,093	73.9%
Mississippi	40	4,195	7,214	3,019	72.0%
District of Columbia	41	1,795	3,059	1,264	70.4%
Alabama	42	7,069	11,603	4,534	64.1%
Louisiana	43	6,042	9,871	3,829	63.4%
Nevada	44	4,958	7,682	2,724	54.9%
Tennessee	45	12,383	18,694	6,311	51.0%
Rhode Island	46	2,825	4,117	1,292	45.7%
Hawaii	47	1,540	2,129	589	38.2%
Montana	48	1,550	2,086	536	34.6%
Alaska	49	3,851	4,814	963	25.0%
North Dakota	50	914	1,034	120	13.1%
Delaware	51	1,390	1,189	-201	-14.5%
United States		505,684	1,049,970	544,286	107.6%

Exhaustion Rates during the 4th Quarter

State	Rank	2000 Exhaustion Rate	2002 Exhaustion Rate	Absolute Change	Relative Change
New Hampshire	1	6.0%	29.6%	23.6%	393.3%
South Dakota	2	9.0%	16.7%	7.7%	85.6%
North Carolina	3	20.0%	34.6%	14.6%	73.0%
Georgia	4	27.0%	44.7%	17.7%	65.6%
Oregon	5	26.0%	42.3%	16.3%	62.7%
Vermont	6	14.0%	22.4%	8.4%	60.0%
Ohio	7	22.0%	35.1%	13.1%	59.5%
Virginia	8	25.0%	39.2%	14.2%	56.8%
Kentucky	9	18.0%	27.4%	9.4%	52.2%
South Carolina	10	25.0%	37.9%	12.9%	51.6%
Missouri	11	27.0%	40.4%	13.4%	49.6%
Alabama	12	21.0%	31.1%	10.1%	48.1%
Minnesota	13	27.0%	39.0%	12.0%	44.4%
Iowa	14	19.0%	27.4%	8.4%	44.2%
Massachusetts	15	31.0%	44.3%	13.3%	42.9%
Oklahoma	16	30.0%	42.2%	12.2%	40.7%
Connecticut	17	24.0%	33.7%	9.7%	40.4%
Pennsylvania	18	25.0%	35.0%	10.0%	40.0%
Illinois	19	31.0%	43.3%	12.3%	39.7%
Nebraska	20	32.0%	44.1%	12.1%	37.8%
Colorado	21	39.0%	53.3%	14.3%	36.7%
Utah	22	30.0%	41.0%	11.0%	36.7%
Wisconsin	23	18.0%	24.5%	6.5%	36.1%
New Mexico	24	31.0%	42.0%	11.0%	35.5%
Idaho	25	26.0%	34.9%	8.9%	34.2%
Michigan	26	26.0%	34.9%	8.9%	34.2%

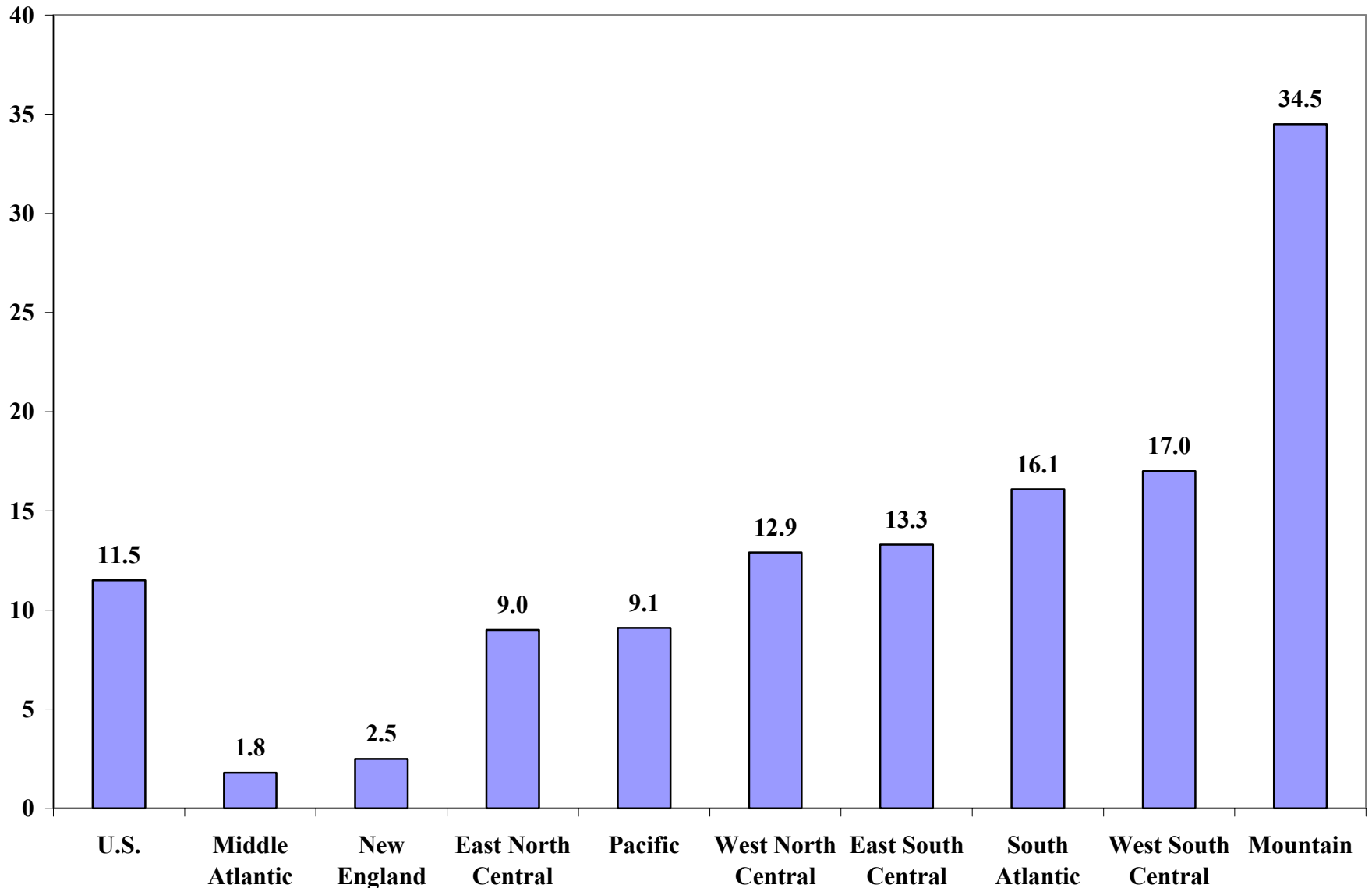
Exhaustion Rates during the 4th Quarter

State	Rank	2000 Exhaustion Rate	2002 Exhaustion Rate	Absolute Change	Relative Change
New Jersey	27	44.0%	58.2%	14.2%	32.3%
Washington	28	29.0%	38.0%	9.0%	31.0%
Indiana	29	32.0%	41.7%	9.7%	30.3%
California	30	37.0%	47.8%	10.8%	29.2%
Delaware	31	20.0%	25.8%	5.8%	29.0%
Arizona	32	33.0%	42.2%	9.2%	27.9%
Maryland	33	28.0%	35.8%	7.8%	27.9%
West Virginia	34	19.0%	24.2%	5.2%	27.4%
Rhode Island	35	32.0%	40.7%	8.7%	27.2%
Kansas	36	33.0%	41.9%	8.9%	27.0%
New York	37	46.0%	57.9%	11.9%	25.9%
Montana	38	31.0%	38.6%	7.6%	24.5%
Texas	39	50.0%	62.2%	12.2%	24.4%
Mississippi	40	30.0%	37.1%	7.1%	23.7%
Arkansas	41	31.0%	38.3%	7.3%	23.5%
Louisiana	42	33.0%	40.1%	7.1%	21.5%
Nevada	43	33.0%	39.8%	6.8%	20.6%
Hawaii	44	25.0%	29.6%	4.6%	18.4%
Florida	45	40.0%	47.3%	7.3%	18.3%
Alaska	46	39.0%	43.3%	4.3%	11.0%
Tennessee	47	31.0%	34.4%	3.4%	11.0%
Wyoming	48	25.0%	27.3%	2.3%	9.2%
District of Columbia	49	50.0%	52.9%	2.9%	5.8%
Maine	50	39.0%	34.6%	-4.4%	-11.3%
North Dakota	51	38.0%	33.4%	-4.6%	-12.1%
United States		32.0%	42.5%	10.5%	32.8%

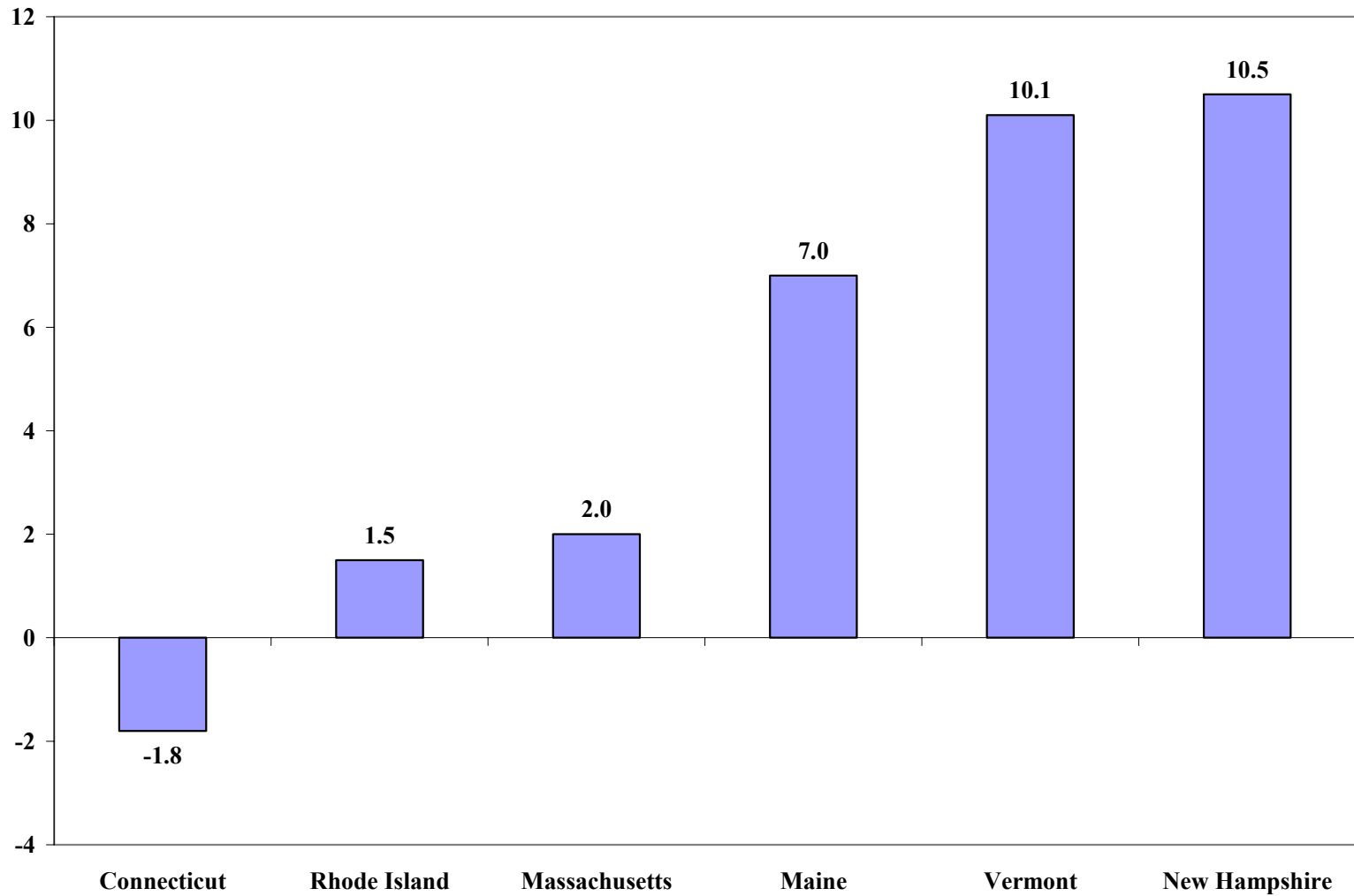
Growth in the Civilian Labor Force of the United States
and New England, 1990 to 2000 (Numbers in 1000s)

Geographic Area	1990	2000	Absolute Change	Percent Change
U.S.	123,473	137,669	14,196	11.5
New England	7,083	7,262	179	2.5
New England's Share	5.7%	5.3%	1.3%	

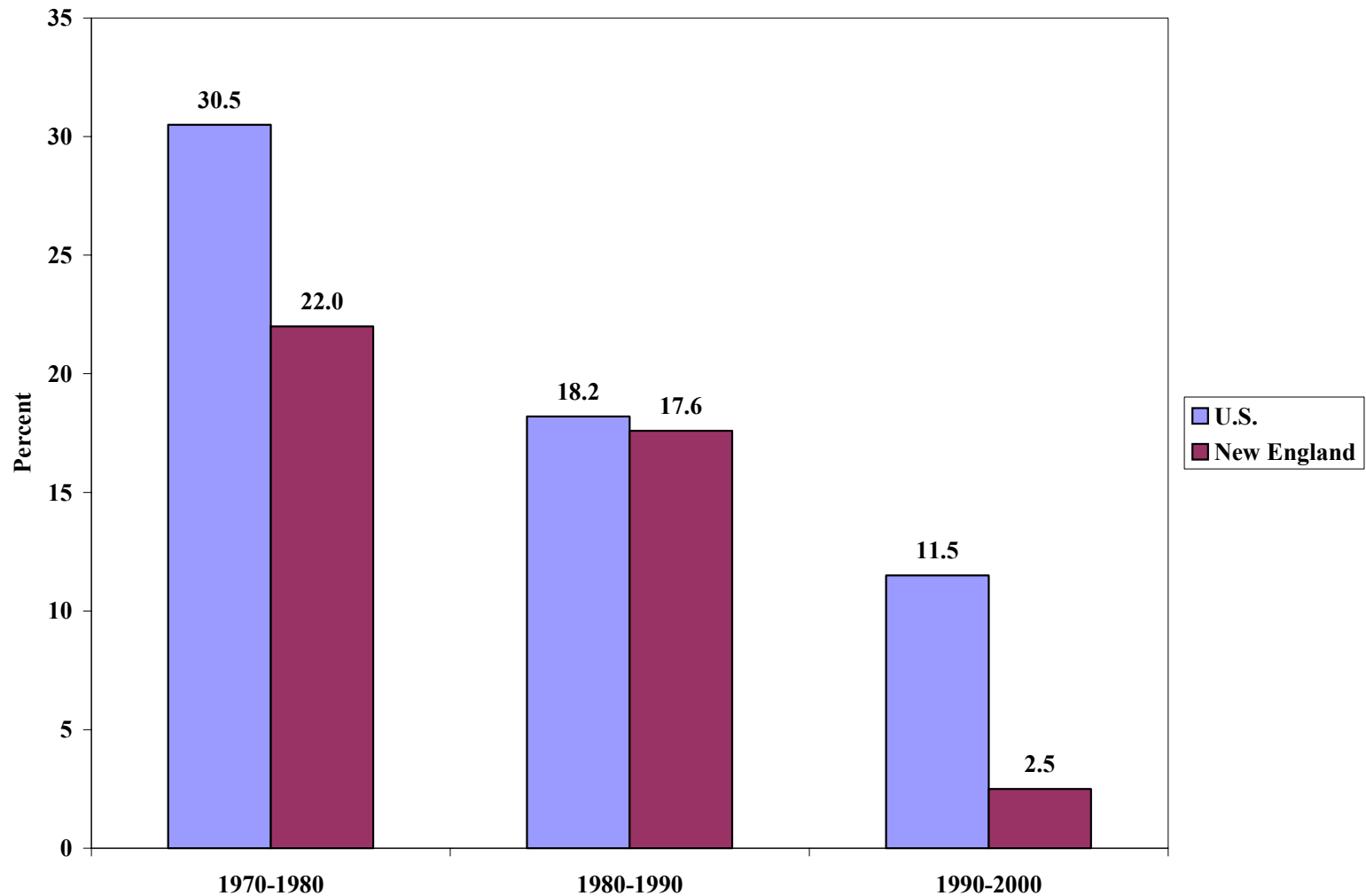
Civilian Labor Force Growth Rates in the U.S. by Geographic Division, 1990 – 2000



Civilian Labor Force Growth in New England by State, 1990–2000 (in %)



Growth Rates of the Civilian Labor Force in the U.S. and the New England Region, 1970-80, 1980-90, 1990-2000 (in %)



Growth Rates of the Civilian Labor Force in the New England Region and
Each of the Six New England States, 1970-80, 1980-90, and 1990-2000
(in %)

	(A)	(B)	(C)
Area	1970-80	1980-90	1990-2000
New England	22.0	17.6	2.5
Connecticut	19.7	15.0	-1.8
Maine	30.3	23.2	7.0
Massachusetts	17.9	15.3	2.0
New Hampshire	49.1	34.8	10.5
Rhode Island	18.3	13.8	1.5
Vermont	38.7	24.0	10.1

Wage and Salary Employment in New England and the Nation, 1988 to September 2002 (Numbers in Thousands)

	1988	Sep-02	Absolute Change	Relative Change
United States	105,208.6	130,854.0	25,645.4	24.4%
New England	6,569.7	6,961.7	392.0	6.0%

- The rate of job growth in the nation was four times as high as New England
- New England had 6% of the nation's jobs in 1988 but only 1.5% of the nation's job growth between 1988 & 9/02
- New England's share of the nation's jobs declined from 6% in 1988 to 5.3% in 9/02
- Each percentage point accounts for over 1 million jobs

Change in Wage and Salary Employment in Each New England State, Between Economic Peak in the Late 1980s/Early 1990s and September 2001 (Numbers in Thousands)

State	Peak Employment (Late 80s Early 90s)		Absolute Change	Relative Change
		Sep-02		
Connecticut	1,678.9	1,672.8	-6.1	-0.4%
Maine	543.0	610.6	67.6	12.4%
Massachusetts	3,149.1	3,276.0	126.9	4.0%
New Hampshire	535.7	625.3	89.6	16.7%
Rhode Island	464.8	480.6	15.8	3.4%
Vermont	263.7	296.4	32.7	12.4%

Growth Rates of the Resident Population of Each New England State and Their Rankings Among the 50 States, 1990 to 2000

Area	Growth Rate	Ranking
U.S.	13.2	NA
New England	5.4	(Last in 9 divisions)
New Hampshire	11.4	22 nd
Vermont	8.2	38 th
Massachusetts	5.5	41 st
Rhode Island	4.5	45 th
Maine	3.8	46 th
Connecticut	3.6	47 th

Working-Age Population Growth Rates and Rankings of the Six New England States, 1990 to 2000

State	Growth Rate (in %)	Ranking
U.S.	13.2	NA
New England	4.5	(Last in 9 divisions)
New Hampshire	11.9	24 th
Vermont	10.3	32 nd
Maine	6.1	42 nd
Massachusetts	4.2	46 th
Rhode Island	3.3	48 th
Connecticut	1.4	50 th

Working-Age Population Growth Rates and Rankings of the Six New England States, 1990 to 2000

State	Growth Rate (in %)	Ranking
U.S.	13.2	NA
New England	4.5	(Last in 9 divisions)
New Hampshire	11.9	24 th
Vermont	10.3	32 nd
Maine	6.1	42 nd
Massachusetts	4.2	46 th
Rhode Island	3.3	48 th
Connecticut	1.4	50 th

1990 and 2000 Rankings of the Six New England States on
their Civilian Labor Force Participation Rates for All Persons

State	1990 Rate	1990 ranking	2000 Rate	2000 Ranking
U.S.	64.4		63.4	
New England	67.6		66.4	
New Hampshire	71.3	1 st	70.4	2 nd
Vermont	69.2	4 th	69.1	5 th
Connecticut	68.4	8 th	66.2	15 th
Massachusetts	67.5	9 th	66.1	16 th
Rhode Island	65.2	25 th	64.8	24 th
Maine	64.3	30 th	64.1	32 nd

Working-Age Population Growth Rates and Rankings of the Six New England States, 1990 to 2000

State	Growth Rate (in %)	Ranking
U.S.	13.2	NA
New England	4.5	(Last in 9 divisions)
New Hampshire	11.9	24 th
Vermont	10.3	32 nd
Maine	6.1	42 nd
Massachusetts	4.2	46 th
Rhode Island	3.3	48 th
Connecticut	1.4	50 th

Comparisons of the 2000 Civilian Labor Force Participation Rates of the
Residents of the U.S. and the Nine Geographic Divisions, Total and by Selected Age Group

	Age Group						
	(A)	(B)	(C)	(D)	(E)	(F)	(G)
Area	All	16-19	20-24	25-34	35-44	45-54	55-64
U.S.	67.2	52.2	77.9	84.6	84.8	82.6	59.2
New England	68.5	55.6	75.8	86.2	86.2	85.8	64.8
Mid Atlantic	64.2	46.9	74.0	82.9	83.0	81.7	58.7
East North Central	69.0	59.2	81.7	85.8	86.0	84.3	59.7
West North Central	72.1	65.6	82.3	88.7	89.8	87.2	66.0
South Atlantic	66.3	50.1	78.3	86.5	85.5	85.8	57.2
East South Central	64.3	49.2	75.7	84.1	82.1	78.5	53.5
West South Central	66.4	48.5	76.1	83.0	84.3	80.3	57.6
Rocky Mountain	68.7	54.8	79.9	84.0	85.1	83.0	59.3
Pacific	67.5	48.1	77.2	82.5	83.3	82.2	60.1
New England Rank	4 th	3 rd	7 th	3 rd	2 nd	2 nd	2 nd

Working-Age Population Growth Rates and Rankings of the Six New England States, 1990 to 2000

State	Growth Rate (in %)	Ranking
U.S.	13.2	NA
New England	4.5	(Last in 9 divisions)
New Hampshire	11.9	24 th
Vermont	10.3	32 nd
Maine	6.1	42 nd
Massachusetts	4.2	46 th
Rhode Island	3.3	48 th
Connecticut	1.4	50 th

Trends in the Labor Force Participation Rates of All Working-Age
Persons, Men and Women in the U.S. and New England, 1990-2000
(in %)

Geographic Area/Gender	1990	2000	Change (B – A)
U.S.			
• All	64.4	63.4	-1.0
• Men	72.8	69.8	-3.0
• Women	56.6	57.4	+.8
New England			
• All	67.6	66.4	-1.2
• Men	75.6	72.7	-2.9
• Women	60.4	60.7	+.3

Trends in the Male and Female Civilian Labor Force in
the U.S. and New England, 1990 to 2000
(Numbers in 1000s)

Geographic Area/ Gender	1990	2000	Absolute Change	Percent Change
U.S				
• Men	66,986	73,285	6,299	9.4
• Women	56,487	64,383	7,896	14.0
New England				
• Men	3,764	3,781	18	.5
• Women	3,319	3,481	162	4.9

➤ Women accounted for 56% of the labor force growth in the nation and 90% in New England

Working-Age Population Growth Rates and Rankings of the Six New England States, 1990 to 2000

State	Growth Rate (in %)	Ranking
U.S.	13.2	NA
New England	4.5	(Last in 9 divisions)
New Hampshire	11.9	24 th
Vermont	10.3	32 nd
Maine	6.1	42 nd
Massachusetts	4.2	46 th
Rhode Island	3.3	48 th
Connecticut	1.4	50 th

Working-Age Population Growth Rates and Rankings of the Six New England States, 1990 to 2000

State	Growth Rate (in %)	Ranking
U.S.	13.2	NA
New England	4.5	(Last in 9 divisions)
New Hampshire	11.9	24 th
Vermont	10.3	32 nd
Maine	6.1	42 nd
Massachusetts	4.2	46 th
Rhode Island	3.3	48 th
Connecticut	1.4	50 th

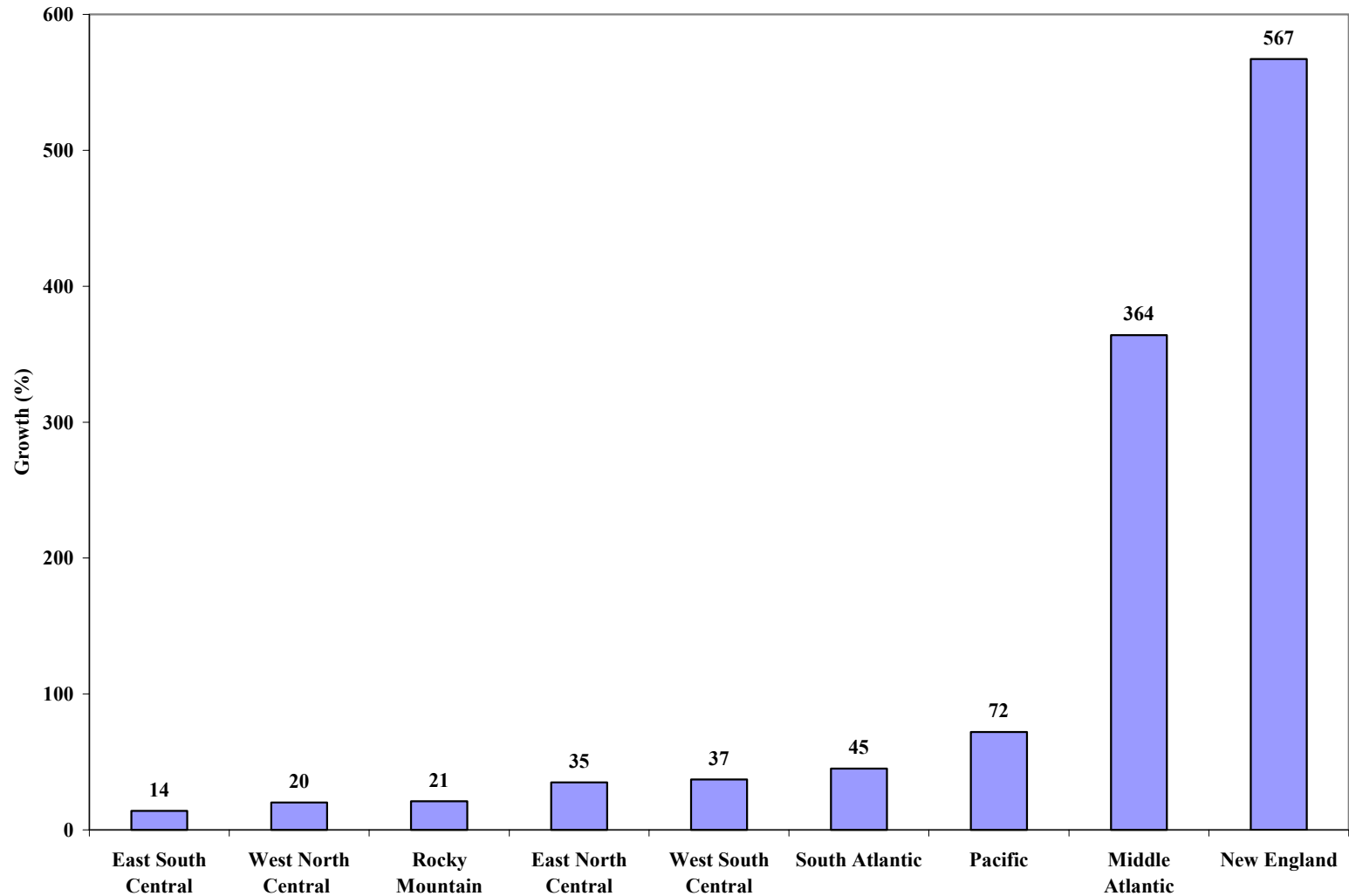
Civilian Labor Force Growth in the U.S. and New England
Between 1990 and 2001 and the Amount Attributable to
New Foreign Immigration (Numbers in '000s)

Geographic Area	1990 CLF	2001 CLF	Change in CLF 1990-2001	New Immigrants in CLF 2001	Share of CLF Growth Due to Immigrants
U.S.	125,840	141,815	15,975	8,031	50.3
New England	7,146	7,212	66	374	567.0

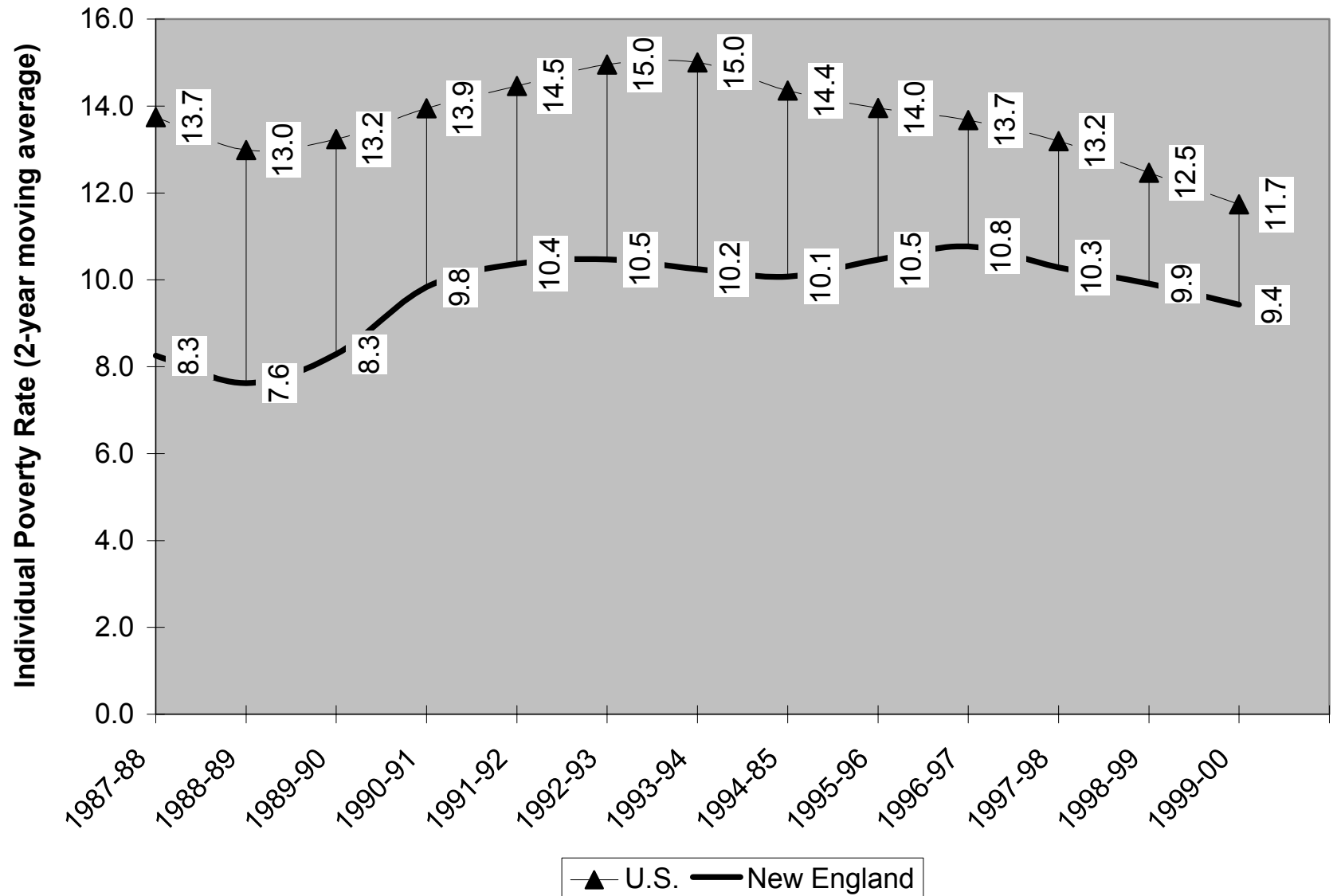
Working-Age Population Growth Rates and Rankings of the Six New England States, 1990 to 2000

State	Growth Rate (in %)	Ranking
U.S.	13.2	NA
New England	4.5	(Last in 9 divisions)
New Hampshire	11.9	24 th
Vermont	10.3	32 nd
Maine	6.1	42 nd
Massachusetts	4.2	46 th
Rhode Island	3.3	48 th
Connecticut	1.4	50 th

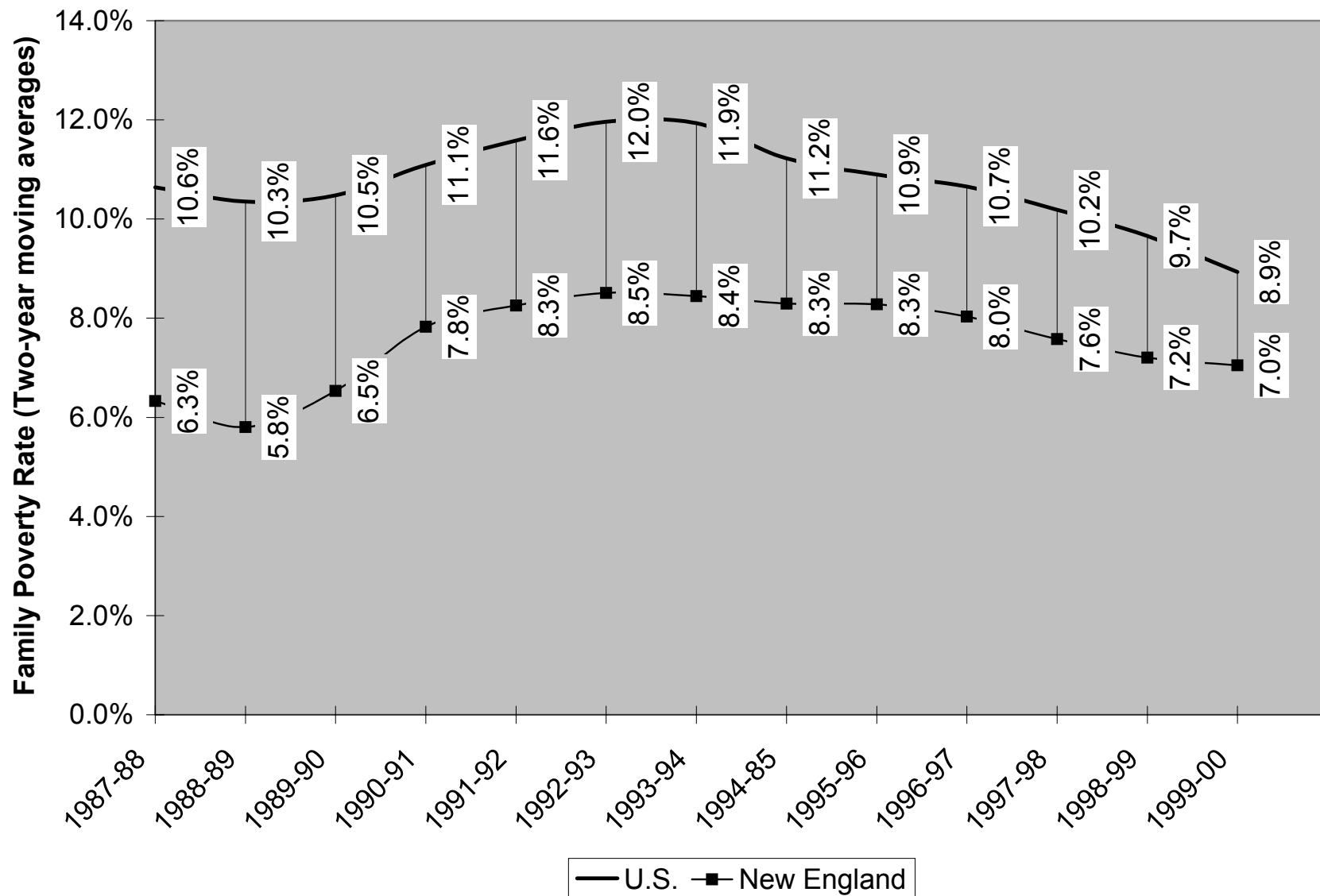
Share of Civilian Labor Force Growth Due to Immigrants for Nine Divisions of the U.S., 1990-2001



Trends in Individual Poverty Rate in New England and the U.S.,
(Two-Year Moving Averages), 1987-88 to 1999-00



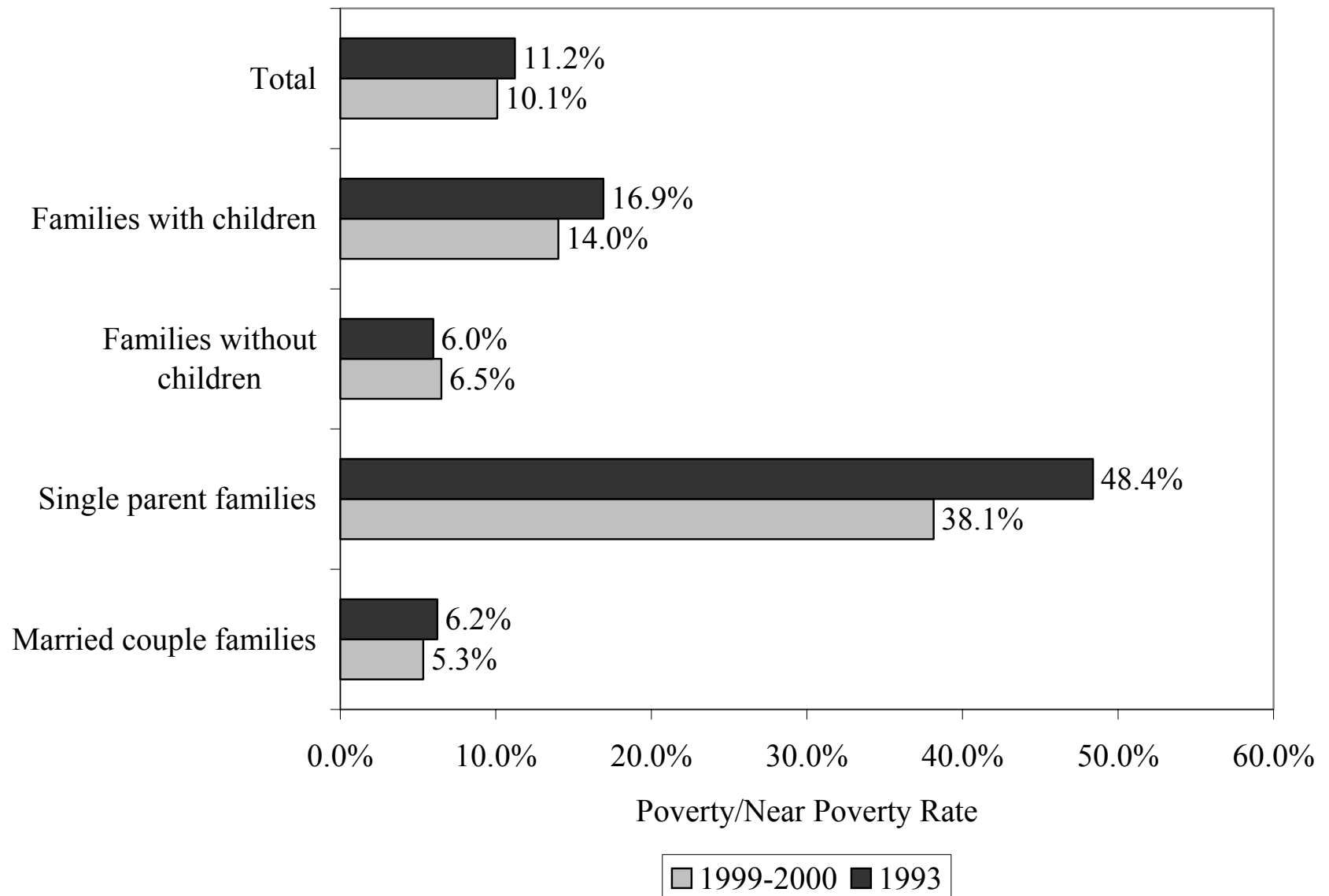
Trend in the Family Poverty Rate New England and the U.S.,
(Two-Year Moving Averages), 1987-88 to 1999-00



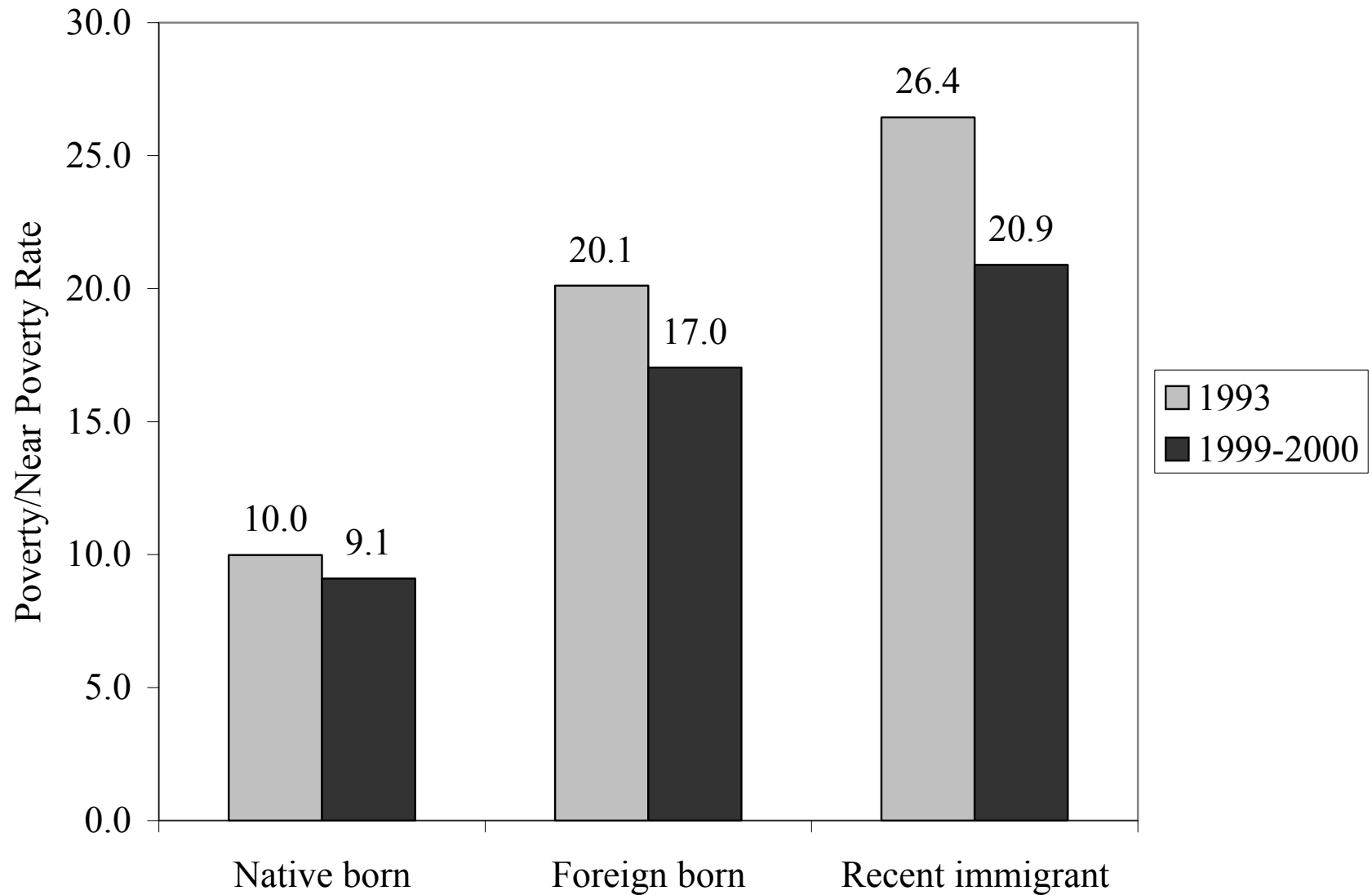
Trend in the Family Poverty Rate in Each New England State, Between 1993 and 1999-2000

State	1993	1999-2000	Absolute Change (Percentage Points)
Connecticut	7.0%	5.5%	-1.6
Maine	13.4%	6.6%	-6.7
Massachusetts	8.7%	8.4%	-0.2
New Hampshire	7.9%	5.0%	-2.8
Rhode Island	9.6%	6.7%	-2.9
Vermont	8.1%	8.0%	-0.1
New England	8.7%	7.0%	-1.7
U.S.	12.2%	8.6%	-3.6

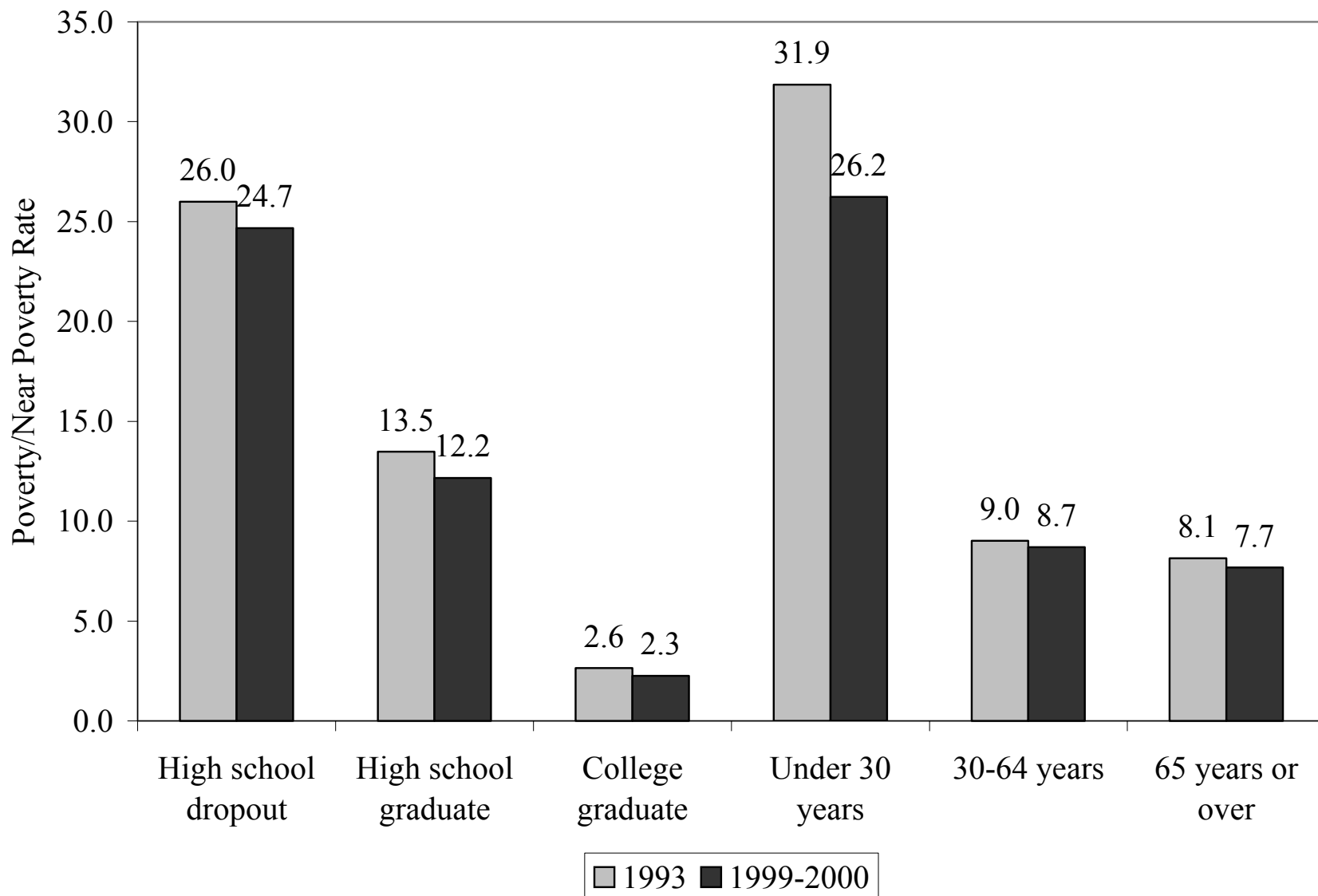
Poverty/Near Poverty Rate of Families by Type of Family and
Presence of Children, New England, 1993 and 1999-2000



The Poverty/Near Poverty Rate of Families in New England by
Nativity Status, 1993 and 1999-2000



The Proportion of Families who were Poor or Near Poor by Age and Educational Attainment of the Householders, New England 1993 and 1999-2000



The Poverty/Near Poverty Rate of Non-elderly (Under 65 Years Old) Families
by Annual Hours of Employment Among All Family Members, 1999-2000

	U.S.	New England	U.S./New England
All	13.3	10.6	125
<u>Annual hours of employment among all family members</u>			
None	61.3	67.2	91
1-999 hours	61.8	52.7	117
1000-1999 hours	36.8	27.6	133
2000-2999 hours	13.2	8.2	160
3000-3999 hours	4.1	2.6	154
4000 hours or more	1.5	0.6	233

Comparisons Between Labor Force Status of Non-Elderly
Householders of Families with Incomes Below and
Above 125 Percent of the Poverty Line, 2000-2001

	Poor	Non- Poor	Non-Poor minus Poor
<u>U.S.</u>			
Labor force participation rate	60.1%	86.4%	26.3%
Unemployment rate	12.6%	2.6%	-10.1%
Employment to population ratio	52.5%	84.2%	31.7%
<u>New England</u>			
Labor force participation rate	53.3%	87.5%	34.2%
Unemployment rate	12.7%	2.6%	-10.2%
Employment to population ratio	46.5%	85.2%	38.7%

Percentage of Poor/Near Poor and Remaining (Non-Poor/Near Poor)
Non-Elderly Family Householders by the Annual Weeks
and Hours of Employment During 1999-2000

	Poor	non-Poor	Non-Poor minus Poor
<u>U.S.</u>			
Employed during the year	63.1%	89.1%	26.0%
Employed 27+ weeks during the year	46.9%	84.8%	37.9%
Employed 1800+ hours during the year	30.6%	74.3%	43.7%
<u>New England</u>			
Employed during the year	54.6%	90.0%	35.4%
Employed 27+ weeks during the year	41.5%	85.4%	43.9%
Employed 1800+ hours during the year	23.1%	71.1%	48.0%